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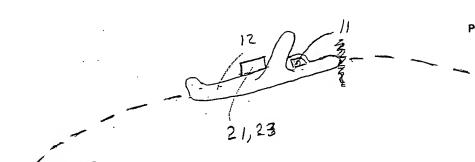
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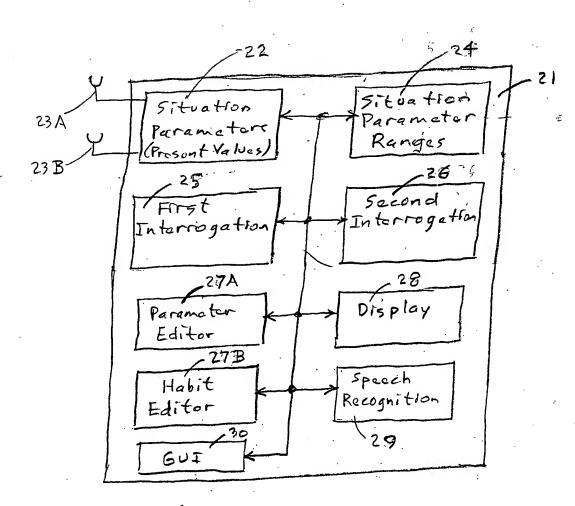
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Case No.: ARC-14970-1
Title: Intelligent Weather Agent
Inventor: Liljana Spirkovska
POC: Vickie Kent (650) 604-0887

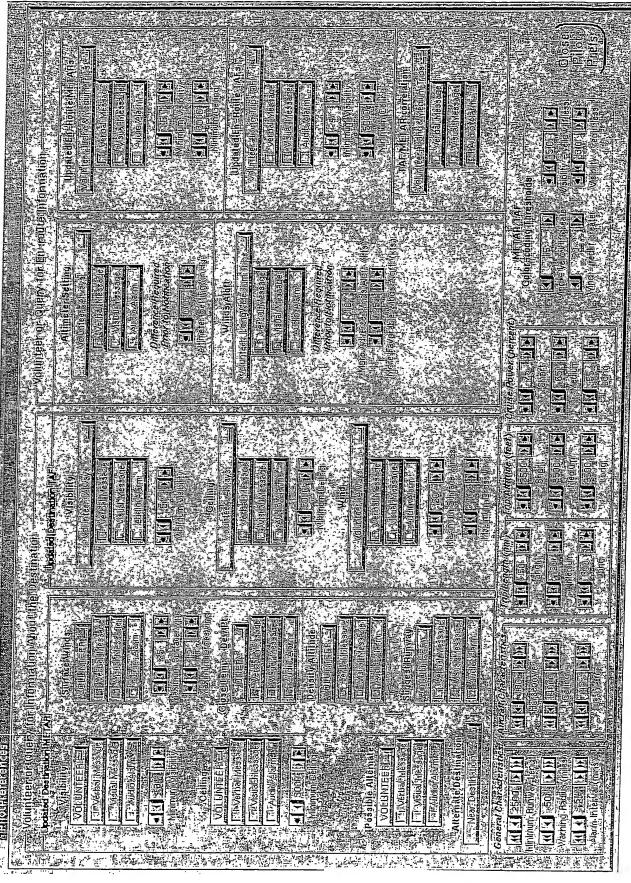




F16.1



F16,2



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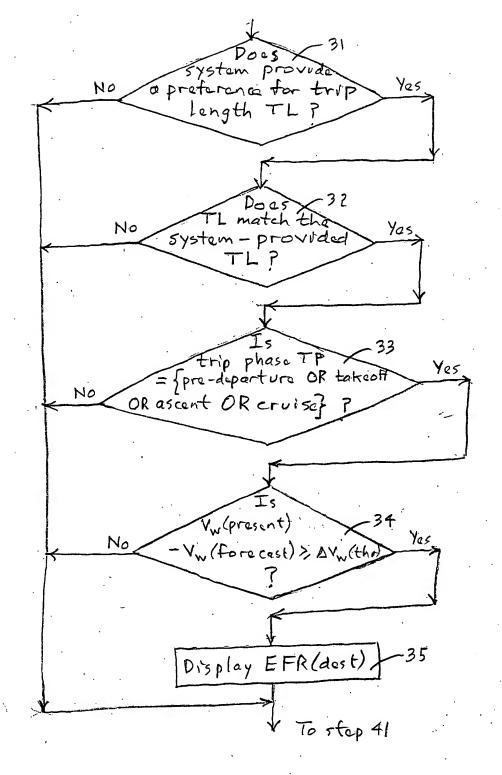
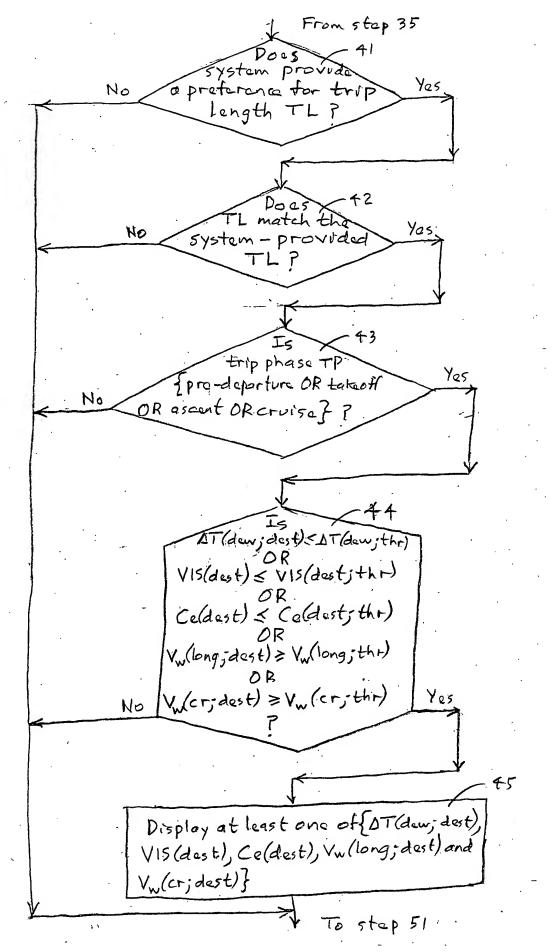


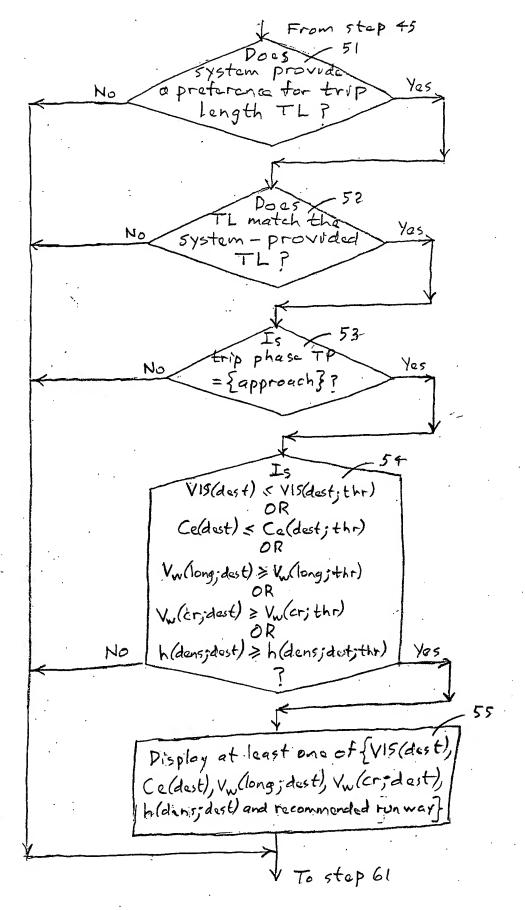
FIG. 4

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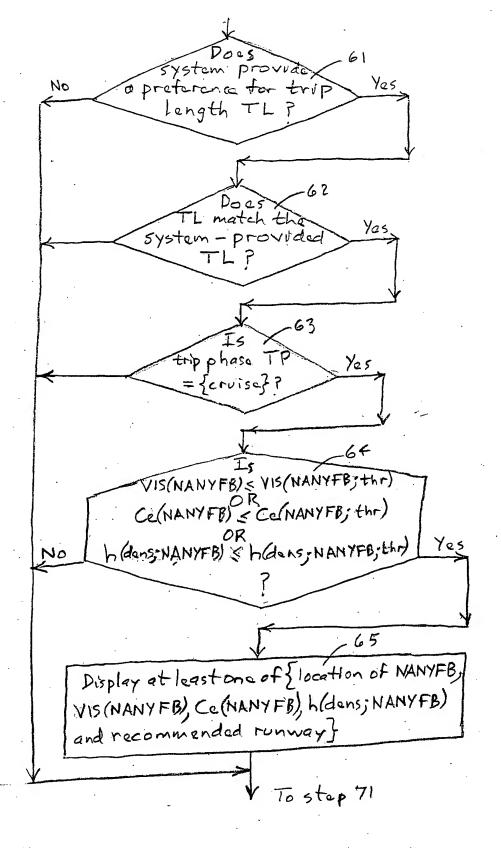
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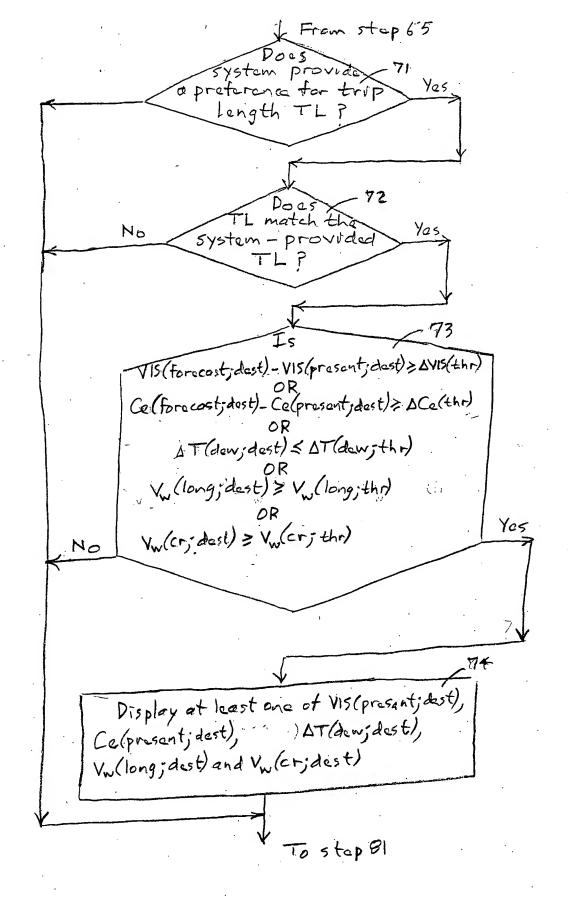
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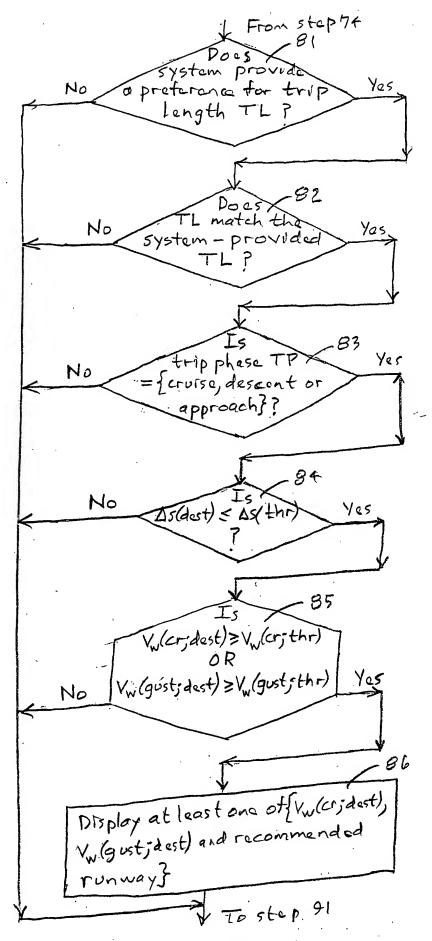
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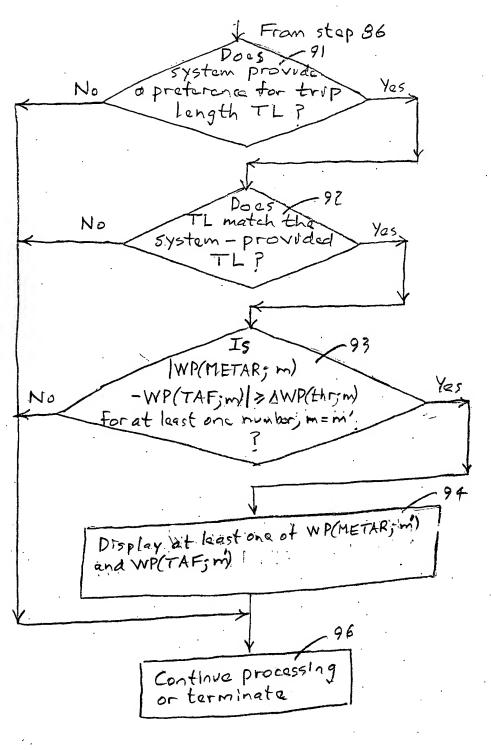
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Provide selected subset of situation parameter set that defines a particular situation" where pilot normally requests display of selected weather parameters (optional) Provide selected first component subset of N1 parameters p, (n1=1,-, N1) from the situation parameters Provide a present-maximum value Pm (max). = maximum of accumulated values for each of the parameters Phi Receive a new measured or estimated value Pri(new), provide updated present-maximum value Pri(max) updated = max [Pri(max), Pri(new)] and replace Pni (max) by Pni (max; updated) Provide selected second component subset of NZ parameters anz (n2=1,111, N2) from the sotuation parameters Provide a present-minimum value In (min) = minimum of accumulated valves for each of the parameters 2nz Receive a new measured or estimated value quinew), provide updated prosent-minimum value qui(min; updated) = min {qu(min), qu(new)}, and replace

To stop 125

2n2(min) by 2n2(min; updated)

FIG.IIA

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Provide selected third component subset of N3
parameters, denoted rn3 (n3=1, --, N3) from the
situation parameters

Provide a statistical average value rn3(avg) of 127 accumulated values for each the parameters rn3

Receive a new measured or estimated value rig(new)

[provide updated present-average value rig(avg; updated)

= avg[rig(avg), rig(new)], and replace rig(avg) by

rig(avg; updated)

Provide selected thred component subset of N3

parameters, denoted the (n4 = 1, ..., N4, N1 # N2 + N3 + N4 > 1)

from the situation parameters

Frovide a value Vj if parameter rn3 has a value 133

lying in a range rn4,j < rn4 < rn4,j+1 (rn4,1 < rn52

... < rn4,J+1)

F16.11B

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